

116 US PC02
REPLACEMENT SHEET

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VH

				<u>CDR1</u>	40
HuAIP12	EVQLVQSGAE	VKKPGATVKI	SCKVSGYTFT	DYSMHWVRQA	SEQ ID NO. 45
HuAIP13	EVQLVQSGAE	VKKPGATVKI	SCKVSGYTFT	DYSMHWVRQA	SEQ ID NO. 13
T55I	EVQLVQSGAE	VKKPGATVKI	SCKVSGYTFT	DYSMHWVRQA	SEQ ID NO. 78
G104A	EVQLVQSGAE	VKKPGATVKI	SCKVSGYTFT	DYSMHWVRQA	SEQ ID NO. 79

		<u>CDR2</u>		80
HuAIP12	PGKGLKWMGW	INTETGEPTY	ADDFKGRFTF	TLDTSTSTAY
HuAIP13	PGKGLKWMGW	INTE <u>I</u> GEPTY	ADDFKGRFTF	TLDTSTSTAY
T55I	PGKGLKWMGW	INTE <u>I</u> GEPTY	ADDFKGRFTF	TLDTSTSTAY
G104A	PGKGLKWMGW	INTETGEPTY	ADDFKGRFTF	TLDTSTSTAY

			<u>CDR3</u>	119
HuAIP12	MELSSLRSED	TAVYYCARNY	DYDGYFDVWG	QGTTVTVSS
HuAIP13	MELSSLRSED	TAVYYCARNY	DYD <u>A</u> YFDVWG	QGTTVTVSS
T55I	MELSSLRSED	TAVYYCARNY	DYDGYFDVWG	QGTTVTVSS
G104A	MELSSLRSED	TAVYYCARNY	DYD <u>A</u> YFDVWG	QGTTVTVSS

Alignment of the VH (A) and VL (B) amino acid sequences of HuAIP12, its derivatives (in A), and HuAIP13. The amino acid sequences of the mature VH and VL regions are shown in single letter code. Amino acids that differ from the counterparts in the HuAIP12 VH or VL are bold and double-underlined.

FIGURE 1A

VL

			<u>CDR1</u>	40
HuAIP12	DIQMTQSPSS	LSASVGDRV	ITCKASQDIN	KYIAWYQOKP
HuAIP13	DIQMTQSPSS	LSASVGDRV	ITCKA <u>D</u> QDIN	KYIAWYQOKP

		<u>CDR2</u>		80
HuAIP12	GKAPKLLIHY	TSTLQPGIPS	RFSGSGSGRD	YTFTISSLQP
HuAIP13	GKAPKLL <u>LHH</u>	TSTLQPGIPS	RFSGSGSGRD	YTFTISSLQP

		<u>CDR3</u>	107
HuAIP12	EDIATYYCLO	YDNLLETFGQ	GTKLEIK
HuAIP13	EDIATYYCLO	YD <u>S</u> LLETFGQ	GTKLEIK

Alignment of the VH (A) and VL (B) amino acid sequences of HuAIP12, its derivatives (in A), and HuAIP13. The amino acid sequences of the mature VH and VL regions are shown in single letter code. Amino acids that differ from the counterparts in the HuAIP12 VH or VL are bold and double-underlined.

FIGURE 1B

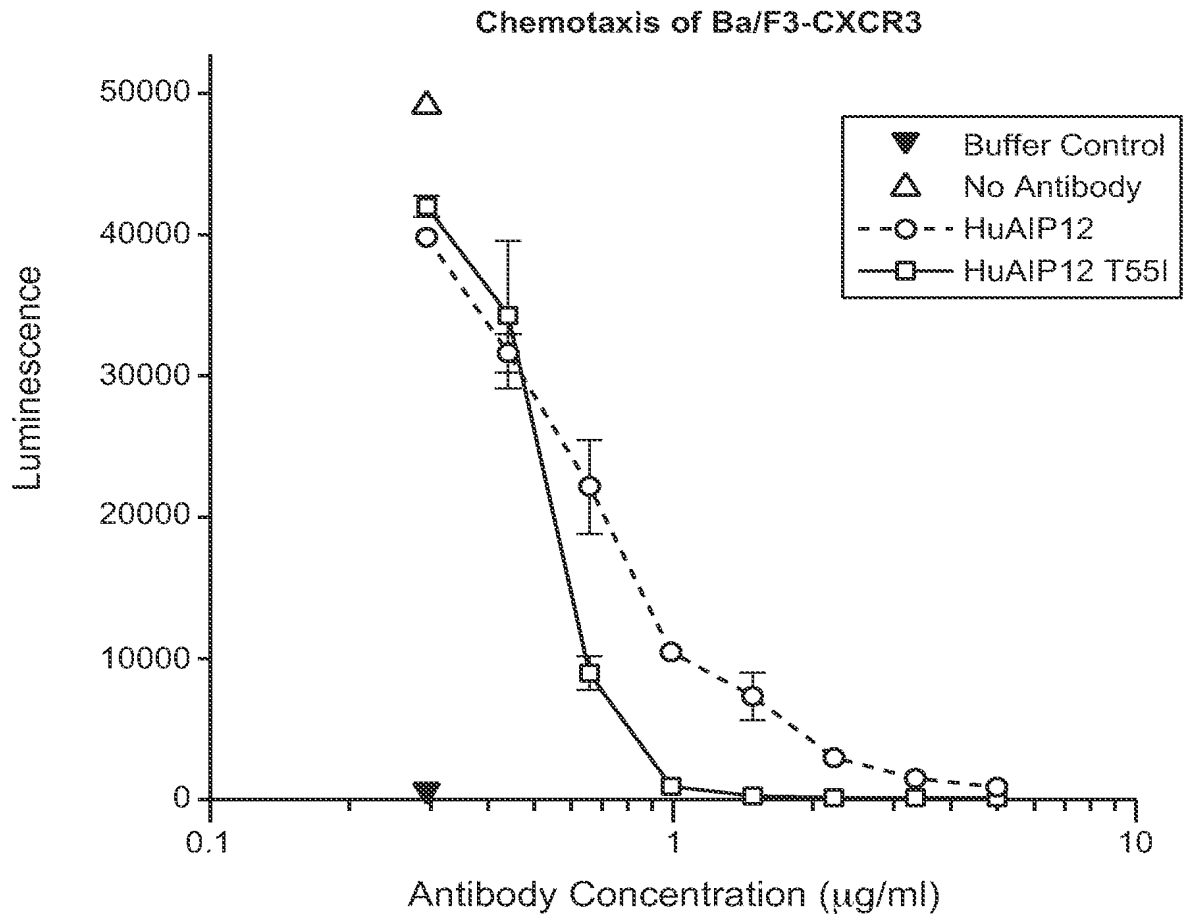


FIGURE 2